

[illegible]

July 28, 2009 11:41:18 AM

Accept

1. The first step in the process is to identify the problem or issue that needs to be addressed. This involves gathering information and understanding the context of the problem.

2. Once the problem is identified, the next step is to define the objectives and goals of the project. This helps to clarify what needs to be achieved and provides a clear direction for the team.

3. The third step is to develop a plan or strategy to address the problem. This involves breaking down the problem into smaller, manageable tasks and determining the resources needed to complete each task.

4. The fourth step is to implement the plan. This involves putting the strategy into action and monitoring progress regularly to ensure that the project is on track.

5. Finally, the fifth step is to evaluate the results of the project. This involves assessing the outcomes against the objectives and goals and identifying any areas for improvement.

Setup Start

Stop

[illegible]**Cust Item ID:**[illegible]

Customer:

Reference:

7/2009 Req'd Qty: 10.00
09.07.28

Run Start

Approvals:

Process Plan:

Date:



Tooling:

Date:

Stop

QC:

Date:**SPC (Y/N):****Date:**

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D3011	Rev B								
100		0.00							
	BAND SAW								
Bandsaw	Memo	0.00							
Jeaspa Bandsaw	Cut Blanks: 26.625"								
				M.A	09/07/28			(10)	
110		0.00							
	HAAS CNC VERTICAL MACHINING #1								
HAAS 1	Memo	0.00							
HAAS CNC vertical machine #1									
	Machine as per folio FA129								
	Folio Rev: <u>B</u>								
	Dwg Rev: <u>B</u>								
				M.A	09/08/01			(10)	

Abstract

July 28, 2009 11:41:19 AM

Accept

[illegible]**Setup Start**

1. The first step in the process is to identify the problem or issue that needs to be addressed. This involves gathering information and understanding the context of the problem.

2. Once the problem is identified, the next step is to define the objectives and goals of the project. This helps to clarify what needs to be achieved and provides a clear direction for the team.

3. The third step is to develop a plan or strategy to address the problem. This involves breaking down the problem into smaller, manageable tasks and determining the resources needed to complete each task.

4. The fourth step is to implement the plan. This involves putting the strategy into action and monitoring progress regularly to ensure that the project is on track.

5. Finally, the fifth step is to evaluate the results of the project. This involves assessing the outcomes against the objectives and goals and identifying any areas for improvement or further action.

Stop

Abstract

The purpose of this study was to determine whether the use of a computerized decision support system (DSS) could improve the performance of a group of experts in a complex task. The task was to diagnose a simulated patient with a rare disease. The DSS provided information about the patient's history, physical examination, and laboratory tests. The DSS also provided a list of possible diagnoses and their associated probabilities. The results showed that the group using the DSS performed better than the control group in terms of accuracy and time taken to reach a diagnosis.

Keywords: Decision support systems, Expert systems, Group decision making, Diagnostic tasks, Computer-aided diagnosis.

Introduction

In recent years, there has been a growing interest in the use of computerized decision support systems (DSS) in medical diagnosis. These systems are designed to assist physicians in making decisions by providing them with relevant information and suggesting possible diagnoses. One of the main advantages of DSS is that they can help reduce the risk of errors and improve the quality of care. However, there is still some debate about whether DSS can actually improve the performance of expert groups in complex tasks.

This study aimed to investigate the effectiveness of a DSS in improving the performance of a group of experts in a diagnostic task. The task involved diagnosing a simulated patient with a rare disease based on a set of clinical data. The researchers hypothesized that the use of a DSS would lead to more accurate and faster diagnoses compared to a control group without the DSS.

The study was conducted in two phases. In the first phase, the researchers developed a DSS specifically tailored for the diagnostic task. This system included a database of medical knowledge, a set of rules for reasoning, and a user interface for interacting with the system. In the second phase, the researchers recruited a group of experts who were experienced in the field of medicine and used the DSS to diagnose the simulated patient. Their performance was then compared to that of a control group that did not use the DSS.

The results of the study showed that the group using the DSS performed significantly better than the control group. They were able to reach a diagnosis more quickly and accurately, and they spent less time reviewing the patient's history and test results. These findings suggest that the use of a DSS can indeed improve the performance of expert groups in complex diagnostic tasks.

However, it is important to note that the results of this study may not be generalizable to all types of diagnostic tasks or all groups of experts. Further research is needed to explore the potential benefits and limitations of DSS in different contexts. Additionally, the design of the DSS itself may have influenced the results, so future studies should focus on developing more robust and flexible systems.

In conclusion, this study provides evidence that a well-designed DSS can enhance the performance of expert groups in a complex diagnostic task. By providing access to relevant information and supporting logical reasoning, DSS can help reduce errors and improve the efficiency of the diagnostic process. As technology continues to advance, the integration of DSS into medical practice holds great promise for improving patient outcomes and reducing healthcare costs.

Customer:

Required Date: 31/07/2009 Req'd Qty: 10.00

Reference:

Run Start

Approvals: **Process Plan:** _____ **Date:** _____ **Tooling:** _____ **Date:** _____

Stop

[illegible]

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Operation Description

Set Up/ Run Hours

**Draw
Number**

Draw
Rev.

**Plan
Code**

**Accept
Qty**

Reject
Qty

Reject Number

**Insp.
Stamp**

120

QC2- Inspect parts off machine FAI/FAIB

0.00

QC

Memo

0.00

Quality Control

130

QC8- Inspect parts - second check

0.00

QC

Memo

0.00

Quality Control

131

0.00

Outsource2

Memo **7/0:10169**

0.00

Outsource process - NDT

LPI AS PER ASTM 1417 LEVEL 2 AS PER DWG d3011

Work Order ID 50965



Page 3

July 28, 2009 11:41:19 AM

Item ID: D3011-1

Accept



Setup Start



Revision ID: B

Stop



Item Name: Rappel

Start Date: 29/07/2009 Start Qty: 10.00



Cust Item ID:

Required Date: 31/07/2009 Req'd Qty: 10.00



Customer:

Reference:

Run Start



Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Stop



QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Draw
Number

Draw
Rev.

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

132

QC5- Inspect part completeness to step on W/O

0.00



QC

Memo

0.00

Quality Control

CA 09/08/05 10

140

Chemical Conversion Coat per QSI005 4.1

0.00



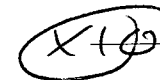
HandFinish

Memo

0.00

Hand Finishing

09-08-05



Handwritten signature

150

White Gloss(Ref:4.3.5.1) per QSI005 4.3-Alum

0.00



Powdercoat

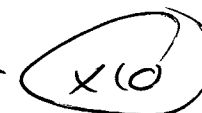
Memo

0.00

Powder Coating

START TIME: 11:40 am
OVEN TEMPERATURE: 320°F
FINISH TIME: 12:16 pm

1112148 09-08-05



Handwritten signature

[illegible]

July 28, 2009 11:41:19 AM

Accept

**Setup Start**

Stop

SECRET

Cust Item ID:[illegible]

Customer:

Reference:

Run Start

Approvals: **Process Plan:** _____ **Date:** _____ **Tooling:** _____ **Date:** _____

Stop

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Operation Description

Set Up/ Run Hours

Draw Number	Draw Rev.	Plan Code
----------------	--------------	--------------

**Accept
Qty**

Reject
QtyReject
Number

**Insp.
Stamp**

160

QC3- Inspect Part Finish

0.00

QC

Memo

0.00

Quality Control

170

Identify as per dwg & Stock Location: GP

0.00

Packaging

Memo

0.00

Packaging

180

QC21- Final Inspection - Work Order Release

0.00

QC

Memo

0.00

Quality Control

my 09-08-06

mf 09-08-06

45-08-1

Picklist Print

Page 1 of 1

July 28, 2009 11:41:18 AM

Work Order ID: 50965



Parent Item: D3011-1RevB



Parent Item Name: Rappel

Start Date: 29/07/2009

Required Date: 31/07/2009

Comments:

Start Qty: 10.00

Required Qty: 10.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
D6202RevA		Manufactured	No			110	f	14.0000	10.0000			



I-Beam Extrusion

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

MAT

14

50040

14

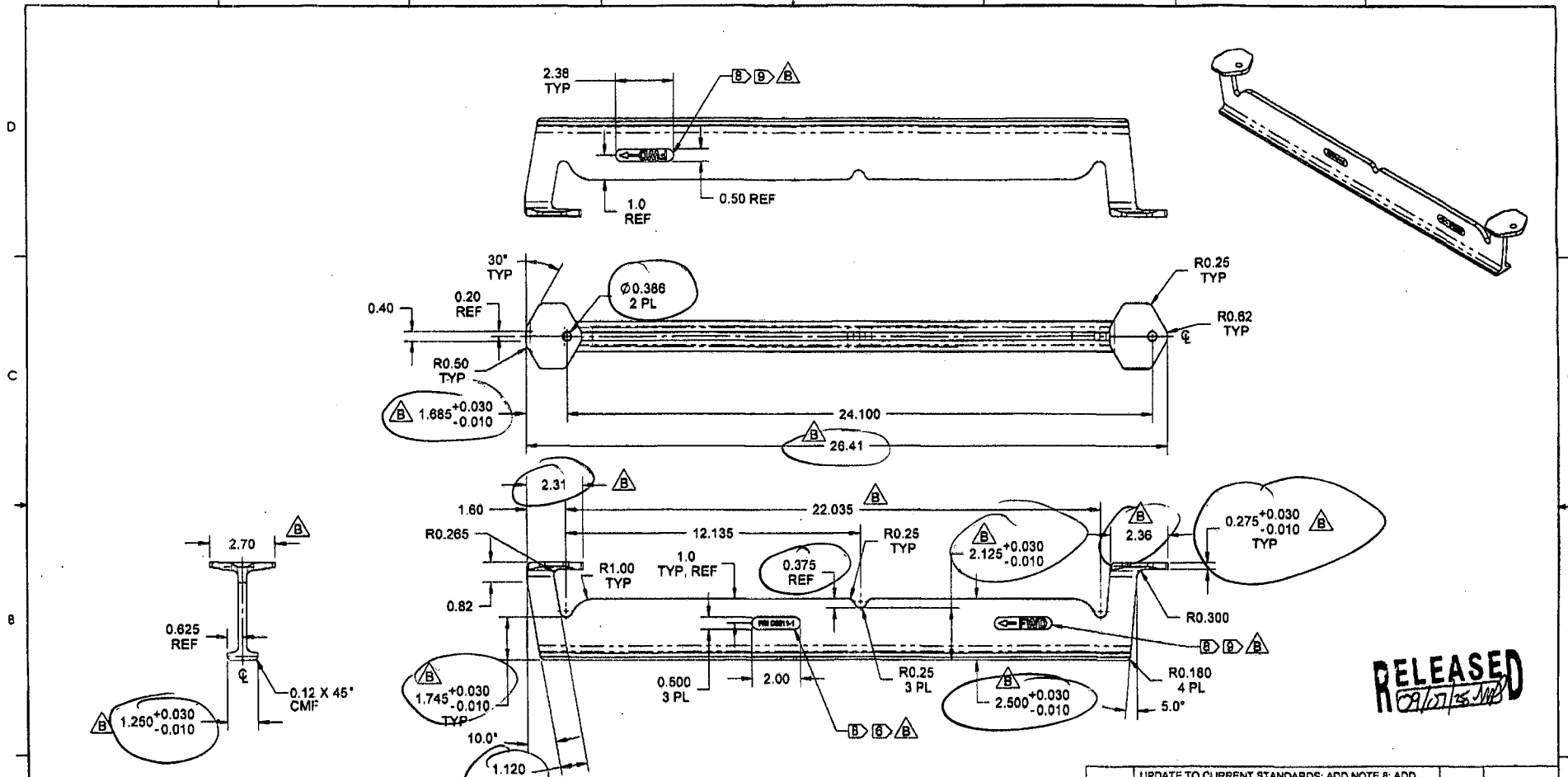
50630

125'

22.6666

Y.A 09/07/28

8 7 6 5 4 3 2 1



RELEASED
09/07/24

NOTES:

- 1) MATERIAL: MANUFACTURE FROM D6202-027 EXTRUSION
- 2) FINISH: ACID ETCH AND ALODINE PER DART QSI 005 4.1
POWDER COAT "WHITE" (4.3.5.1) PER DART QSI 005 4.3
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: ENGRAVE P/N IN THIS AREA AS SHOWN (NEAR SIDE ONLY) TO MAX
DEPTH OF 0.015 IN 0.19 HIGH LETTERS WITH A MIN RADIUS TOOL OF 0.015
- 7) WEIGHT: 3.00 lbs
- 8) SPOT FACE MAX DEPTH OF 0.010 PRIOR TO MARKING
- 9) ENGRAVE "FWD" IN THIS AREA AS SHOWN TO MAX DEPTH OF 0.015 IN
0.38 HIGH LETTERS WITH MIN TOOL RADIUS OF 0.015
- 10) LPI PER ASTM 1417 LEVEL 2

D3011-1 RAPPEL SLIDE BAR

B	UPDATE TO CURRENT STANDARDS; ADD NOTE 8; ADD SPOT FACE (ZN B2-1, B4-1 & D3-1); ADD DIMENSIONS (ZN B3-1, B4-1 & C5-1); 26.41" WAS 26.32 (ZN C4-1); 2.70 WAS 2.700 (ZN B7-1); ADD (+0.030/-0.010) TOLERANCES; ADD LPI (ZN A8-1)	RF	09.07.24
A	NEW ISSUE	CP	01.03.29
REV.	DESCRIPTION	BY	DATE
DESIGN	DS		
DRAWN	RF		
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	09.07.24		

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

DRAWING NO. **D3011** REV. B
SHEET 1 OF 1
TITLE **RAPPEL SLIDE BAR** SCALE NTS

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8 7 6 5 4 3 2 1



LIQUID PENETRANT TEST REPORT

P- 14944

CLIENT DART AEROSPACE DATE AUG 4-2009 PAGE 1 OF 1
ATTENTION LINDA / CHANTEL ACUREN JOB NO. 100-09-001480 TIME AM ☒ PM ☐
ADDRESS 1270 ABERDEEN ST PO/VO No. 10169
HAWKESBURY ON WORK LOCATION HAWKESBURY
KEH 1K7 ACCEPTANCE STD. ASTM 1417 REV./DATE 2007
PROJECT F.P.I. ON MACHINED PARTS AND CROSS TUBES
ITEM(S) EXAMINED

JOB DESCRIPTION PROCEDURE No. LT0002 REV./DATE TECHNIQUE No. LT-10042 REV./DATE
PART NO. MATERIAL S.S. / ALUMINUM THICKNESS
SCOPE WET FLUORESCENT LIQUID PENETRANT INSPECTION
CARRIED OUT 100% EXTERNAL

TEST DETAILS
METHOD ☒ FLUORESCENT ☐ VISIBLE ☐ WATER WASH ☐ SOLVENT REMOVABLE ☐ POST EMULSIFIED
FAMILY BRAND MAGNAFLUX BLACK LIGHT S/N 16459 ☐ OUTPUT > 1000 μ W/CM² ☐ AMBIENT < 2 fc
PENETRANT ZL 67 MINIMUM DWELL TIME 45 MIN. LIGHTING EQUIP. ☐ FLASHLIGHT ☐ TROUBLELIGHT ☐ OUTPUT > 100 fc @ SURFACE
PENETRANT REMOVER H2O MINIMUM DRY TIME >10 MIN. OTHER CABINO
DEVELOPER SKD 52 MINIMUM DWELL TIME 10 MIN. LIGHT METER S/N CAL DUE DATE
DEVELOPER TYPE ☒ NON AQUEOUS ☐ AQUEOUS ☐ DRY DEC. 8-2009

TEST SURFACE
SURFACE CONDITION ☐ AS GROUND ☒ AS WELDED ☐ MACHINED ☐ SHOT BLASTED ☒ CLEAN BARE METAL
SURFACE TEMPERATURE ☐ < -4°C/ 20°F ☐ -4°C/ 20°F TO 10°C/50°F ☐ 10°C/50°F TO 52°C/125°F ☐ > 52°C/125°F

RESULTS- (<input type="checkbox"/> METRIC <input type="checkbox"/> IMPERIAL)		ACCEPT	REJECT
W.O. 50388	40 MACHINED PARTS	✓	
W.O. 50965	10 PCS		
W.O. 50966	10 PCS	✓	
W.O. - 50796	- 1 PC	✓	
W.O. - 50798	- 1 PC	✓	
W.O. - 50797	- 1 PC	✓	
W.O. - 50667	- 1 PC	✓	
ALL ITEMS INSPECTED WERE FOUND ACCEPTABLE			
MM 09 09 05			

Scope of Services
The agreement of Acuren Group Inc. to perform services extends only to those services provided for in writing. Under no circumstances shall such services extend beyond the performance of the requested services. It is expressly understood that all descriptions, comments and expressions of opinion reflect the opinions or observations of Acuren Group Inc. based on information and assumptions supplied by the owner/operator and are not intended nor can they be construed as representations or warranties. Acuren Group Inc. is not assuming any responsibilities of the owner/operator and the owner/operator retains complete responsibility for the engineering, manufacture, repair and use decisions as a result of the data or other information provided by Acuren Group Inc. In no event shall Acuren Group Inc.'s liability in respect of the services referred to herein exceed the amount paid for such services.

Standard of Care
In performing the services provided, Acuren Group Inc. uses the degree, care and skill ordinarily exercised under similar circumstances by others performing such services in the same or similar locality. No other warranty, expressed or implied, is made or intended by Acuren Group Inc.

SIGNATURES
CLIENT REPRESENTATIVE MATTHEW MURDOCH DTR # E-20066
TECHNICIAN (SIGNATURE): Mike Johnston REPORT REVIEWED BY:
NAME (PRINT): 1ST TECHNICIAN NAME INITIALS
CGSB LEVEL II SNT LEVEL CGSB LEVEL SNT LEVEL
CGSB REG. No 6066 CGSB REG. No